What is claimed is:

1. A Bluetooth™ hands-free kit structure, comprising:

a Bluetooth™ earphone, whose interior circuit includes a Bluetooth™ module, a voice decode, a voltage regulation circuit, a battery, an antenna, an earpiece, a first connecting member and a microphone, which can proceed with radio signal transmission to a corresponding Bluetooth™ chip constructed on mobile phone;

a stand, whose interior circuit includes a second connecting member, a third connecting member, a power connecting member, a voltage regulation circuit, a DC convert circuit, a audio output amplification circuit, wherein said stand and said Bluetooth™ earphone form an electrical connection through said first connecting member and said second connecting member to enable signals mutually receivable or to provide power and charging while transmitting; and

an integration of audio output apparatus, which is connected to a connecting member corresponding to said stand either through a wired interface or a radio interface, wherein said integration of audio output apparatus includes a fourth connecting member and audio output device, wherein said fourth connecting member connects with said audio output device and said third connecting member, so that vocal signals of said stand can be regulated and magnified by way of said audio output device.

2. The Bluetooth™ hands-free kit structure as recited in claim 1, wherein only one in the group comprising said Bluetooth™ earphone and said stand includes an echo cancellation circuit.

3.The Bluetooth™ hands-free kit structure as recited in claim 1, wherein said third connecting member is a socket.

4. The Bluetooth™ hands-free kit structure as recited in claim 1, wherein said third connecting member is a radio transmitter.

5. The Bluetooth™ hands-free kit structure as recited in claim 1, wherein said fourth connecting member is a plug.

6. The Bluetooth™ hands-free kit structure as recited in claim 1, wherein said fourth connecting member is a radio receiver.

7. The Bluetooth™ hands-free kit structure as recited in claim 1, wherein said battery is in tandem with a diode protection circuit.

8. The Bluetooth™ hands-free kit structure as recited in claim 1, wherein the interior of said stand includes a charging circuit that can charge said internal battery of said Bluetooth™ earphone.

9. The Bluetooth™ hands-free kit structure as recited in claim 1, wherein said audio output device is a loudspeaker.

10. The Bluetooth™ hands-free kit structure as recited in claim 1, wherein said audio output device is acoustic type muting control system apparatus.

11. The Bluetooth™ hands-free kit structure as recited in claim 1, wherein said audio output amplification circuit of said stand comprises a volume regulation circuit.

12. The Bluetooth™ hands-free kit structure as recited in claim 1, wherein said power connecting member is a socket.

13. The Bluetooth™ hands-free kit structure as recited in claim 1, wherein said power connecting member is a contact terminal.

14. The Bluetooth™ hands-free kit structure as recited in claim 1, wherein said first connecting member is a socket.

15. The Bluetooth™ hands-free kit structure as recited in claim 1, wherein said first connecting member is a contact terminal.

16. The Bluetooth™ hands-free kit structure as recited in claim 1, wherein said second connecting member is a plug.

17. The Bluetooth™ hands-free kit structure as recited in claim 1, wherein said second connecting member is a contact terminal.